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Search Results -

Terms	Documents
imitate or isocyanate or isothiocyanate or maleimide or haloamide or hydrazine or hydroxylamine or succinimide or hydroxsuccinimide	172036

Database: US Patents Full-Text Database; US Pre-Grant Publication Full-Text Database; JPO Abstracts Database; EPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Refine Search: imitate or isocyanate or isothiocyanate or maleimide or haloamide or hydrazine or hydroxylamine or succinimide or

Clear

Search History

Today's Date: 6/8/2001

DB Name	Query	Hit Count	Set Name
USPT,PGPB,DWPI	imitate or isocyanate or isothiocyanate or maleimide or haloamide or hydrazine or hydroxylamine or succinimide or hydroxsuccinimide	172036	L11
USPT,PGPB,DWPI	toxin or immunosuppressive or immunostimulating or radionuclide or pro-drug	33434	L10
USPT,PGPB,DWPI	linker	22294	L9
USPT,PGPB,DWPI	avidin or streptavidin	10682	L8
USPT,PGPB,DWPI	triaminobenzene or tricarboxybenzene or dicarboxyaniline or diaminobenzoic acid or tri-aminobenzene or tri-carboxybenzene	1446	L7
USPT,PGPB,DWPI	(l1) and (424/1.11.ccls. or 424/1.53.ccls.)	9	L6
USPT,PGPB,DWPI	trifunctional or tridentate or trifunction	9732	L5
USPT	avidin or streptavidin	9872	L4
USPT	triaminobenzne or tricarboxybenzene or dicarboxyaniline or diaminobenzoic acid or tri-aminobenze or tri-carboxybenzene	905	L3
USPT	(l1) and (424/1.11.ccls. or 424/1.53.ccls.)	9	L2
USPT	trifunctional or tridentate	7922	L1

Trying 3106016892...Open

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NEWS 2	Dec 17	The CA Lexicon available in the CAPLUS and CA files
NEWS 3	Feb 06	Engineering Information Encompass files have new names
NEWS 4	Feb 16	TOXLINE no longer being updated
NEWS 5	Apr 23	Search Derwent WPINDEX by chemical structure
NEWS 6	Apr 23	PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA
NEWS 7	May 07	DGENE Reload
NEWS EXPRESS		May 23 CURRENT WINDOWS VERSION IS V6.0a, CURRENT MACINTOSH VERSION IS V5.0C (ENG) AND V5.0JB (JP), AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2001
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FILE 'HOME' ENTERED AT 14:08:39 ON 08 JUN 2001

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.15	0.15

FILE 'REGISTRY' ENTERED AT 14:09:06 ON 08 JUN 2001
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STRUCTURE FILE UPDATES: 6 JUN 2001 HIGHEST RN 339983-69-6
DICTIONARY FILE UPDATES: 6 JUN 2001 HIGHEST RN 339983-69-6

TSCA INFORMATION NOW CURRENT THROUGH January 11, 2001

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT
for details.

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 2076

L1 SCREEN CREATED

=>
Uploading c:\stnexp4\queries\b.str

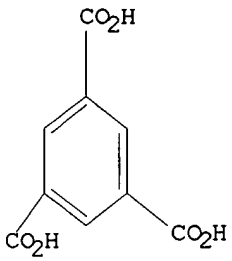
L2 STRUCTURE UPLOADED

=> que L2 AND L1

L3 QUE L2 AND L1

=> d l3

L3 HAS NO ANSWERS
L1 SCR 2076
L2 STR



Structure attributes must be viewed using STN Express query preparation.
L3 QUE L2 AND L1

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 2076

L4 SCREEN CREATED

=>
Uploading c:\stnexp4\queries\c.str

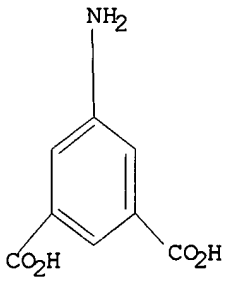
L5 STRUCTURE UPLOADED

=> que L5 AND L4

L6 QUE L5 AND L4

=> d 16

L6 HAS NO ANSWERS
L4 SCR 2076
L5 STR



Structure attributes must be viewed using STN Express query preparation.
L6 QUE L5 AND L4

=> s l3

SAMPLE SEARCH INITIATED 14:10:26 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 485 TO ITERATE

100.0% PROCESSED 485 ITERATIONS 31 ANSWERS
SEARCH TIME: 00.00.02

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 8379 TO 11021
PROJECTED ANSWERS: 286 TO 954

L7 31 SEA SSS SAM L2 AND L1

=> s l3 full

FULL SEARCH INITIATED 14:10:36 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 10054 TO ITERATE

100.0% PROCESSED 10054 ITERATIONS 706 ANSWERS
SEARCH TIME: 00.00.03

L8 706 SEA SSS FUL L2 AND L1

=> s l6

SAMPLE SEARCH INITIATED 14:10:45 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 172 TO ITERATE

100.0% PROCESSED 172 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 2654 TO 4226
PROJECTED ANSWERS: 2 TO 124

L9 2 SEA SSS SAM L5 AND L4

=> s l6 full

FULL SEARCH INITIATED 14:10:54 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 3422 TO ITERATE

100.0% PROCESSED 3422 ITERATIONS 74 ANSWERS
SEARCH TIME: 00.00.01

```
L10          74 SEA SSS FUL L5 AND L4

=> fil caplus uspatfull biosis embase

COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY     SESSION
FULL ESTIMATED COST                                       267.74      267.89

FILE 'CAPLUS' ENTERED AT 14:11:22 ON 08 JUN 2001
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=> d his


     (FILE 'HOME' ENTERED AT 14:08:39 ON 08 JUN 2001)

     FILE 'REGISTRY' ENTERED AT 14:09:06 ON 08 JUN 2001
L1                SCREEN 2076
L2                STRUCTURE UPLOADED
L3                QUE L2 AND L1
L4                SCREEN 2076
L5                STRUCTURE UPLOADED
L6                QUE L5 AND L4
L7             31 S L3
L8            706 S L3 FULL
L9              2 S L6
L10            74 S L6 FULL

     FILE 'CAPLUS, USPATFULL, BIOSIS, EMBASE' ENTERED AT 14:11:22 ON 08 JUN
     2001

=> s l8 or l10

L11         1987 L8 OR L10

=> s trifunctional or trifunction or tri-functional or tri-function or
tridentate or tri-dentate

L12        18514 TRIFUNCTIONAL OR TRIFUNCTION OR TRI-FUNCTIONAL OR TRI-FUNCTION
                 OR TRIDENTATE OR TRI-DENTATE

=> s l11 and l12

L13           42 L11 AND L12

=> dup rem l13

PROCESSING COMPLETED FOR L13
L14            42 DUP REM L13 (0 DUPLICATES REMOVED)

=> s biotin or norbiotin or homobiotin or oxybiotin or iminobiotin or
desthiobiotin or diaminobiotin or biotin sulfoxide or biotin sulfone

L15        60015 BIOTIN OR NORBIOTIN OR HOMOBIOTIN OR OXYBIOTIN OR IMINOBIOTIN
```

OR DESTHIOBIOTIN OR DIAMINOBIOTIN OR BIOTIN SULFOXIDE OR BIOTIN
SULFONE

=> s radionuclide

L16 52731 RADIONUCLIDE

=> s (l14) and (l15 or l16)

L17 7 (L14) AND (L15 OR L16)

=> d ibib abs

L17 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 2000:35037 CAPLUS
DOCUMENT NUMBER: 132:90367
TITLE: **Trifunctional** reagent for conjugation to a biomolecule for use in diagnosis and therapy
INVENTOR(S): Wilbur, D. Scott; Sandberg, Bengt E. B.
PATENT ASSIGNEE(S): Dept. of Radiation Oncology, University of Washington,
USA; Mitra Medical Technology AB
SOURCE: PCT Int. Appl., 48 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000002051	A1	20000113	WO 1999-SE1241	19990707
W: AE, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, CZ, DE, DE, DK, DK, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9950767	A1	20000124	AU 1999-50767	19990707
EP 1095274	A1	20010502	EP 1999-935251	19990707
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
NO 2001000021	A	20010307	NO 2001-21	20010103

PRIORITY APPLN. INFO.:		
SE 1998-1345	A	19980707
WO 1998-SE1345	A	19980707
WO 1999-SE1241	W	19990707

AB A reagent for conjugation to a biomol. for diagnosis and treatment of human and animal conditions and diseases is described, wherein the reagent is a single mol. with at least three functional parts and a) wherein a **trifunctional** crosslinking moiety is coupled to b) an affinity ligand via a linker 1, said affinity ligand being capable of binding with another mol. having affinity for said ligand; to c) an effector agent, optionally via a linker 2, said effector agent exerting its effects on cells, tissues and/or humorous mols. in vivo or ex vivo; and to d) a biomol. reactive moiety, optionally via a linker 3, said moiety being capable of forming a bond between the reagent and the biomol. The affinity ligand is esp. **biotin** or a **biotin** deriv. The effector agent is a toxin, an enzyme capable of converting a prodrug to an

active drug, an immunosuppressant, an immunostimulant, or a **radionuclide**-binding agent, with or without the **radionuclide**.

REFERENCE COUNT: 13

REFERENCE(S): (1) Beckman Instruments Inc; EP 0310361 A2 1989 CAPLUS

(2) Board Of Regents Of The University Of Washington; WO 9729114 A1 1997 CAPLUS

(3) Boehringer Mannheim Gmbh; EP 0618192 A1 1994 CAPLUS

(4) Cancer Research Campaign Technology Limited; WO 8910140 A1 1989 CAPLUS

(5) Eigo, O; 1997, 20, CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 2 ibib abs

L17 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 2000:35036 CAPLUS

DOCUMENT NUMBER: 132:90366

TITLE: **Trifunctional** reagent for conjugation to a biomolecule for use in diagnosis and therapy

INVENTOR(S): Wilbur, D. Scott; Sandberg, Bengt E. B.

PATENT ASSIGNEE(S): Department of Radiation Oncology, University of Washington, USA; Mitra Medical Technology AB

SOURCE: PCT Int. Appl., 41 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000002050	A1	20000113	WO 1998-SE1345	19980707
W: AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, CZ, DE, DE, DK, DK, EE, EE, ES, FI, FI, GB, GE, GH, GM, GW, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9883663	A1	20000124	AU 1998-83663	19980707
AU 9950767	A1	20000124	AU 1999-50767	19990707
EP 1095274	A1	20010502	EP 1999-935251	19990707
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
NO 2001000021	A	20010307	NO 2001-21	20010103

PRIORITY APPLN. INFO.: WO 1998-SE1345 A 19980707
WO 1999-SE1241 W 19990707

AB A reagent for conjugation to a biomol. for diagnosis and treatment of human and animal conditions and diseases is described, wherein the reagent is a single mol. with at least three functional parts and a) wherein a **trifunctional** crosslinking moiety is coupled to b) an affinity ligand via a linker 1, said affinity ligand being capable of binding with another mol. having affinity for said ligand; to c) an effector agent, optionally via a linker 2, said effector agent exerting its effects on cells, tissues and/or humorous mols. in vivo or ex vivo; and to d) a biomol. reactive moiety, optionally via a linker 3, said moiety being capable of forming a bond between the reagent and the biomol. The

affinity ligand is esp. **biotin** or a **biotin** deriv. The effector agent is a toxin, an enzyme capable of converting a prodrug to an active drug, an immunosuppressant, an immunostimulant, or a **radionuclide**-binding agent, with or without the **radionuclide**.

REFERENCE COUNT: 11

REFERENCE(S):
(1) Beckman Instruments Inc; EP 0310361 A2 1989 CAPLUS
(2) Board Of Regents Of The University Of Washington; WO 9729114 A1 1997 CAPLUS
(3) Boehringer Mannheim Gmbh; EP 0618192 A1 1994 CAPLUS
(4) Cancer Research Campaign Technology Limited; WO 8910140 A1 1989 CAPLUS
(5) Gaetjens, E; US 5134071 A 1992 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 3 ibib abs

L17 ANSWER 3 OF 7 USPATFULL

ACCESSION NUMBER: 2000:84267 USPATFULL

TITLE: Water soluble vitamin B.sub.12 receptor modulating agents and methods related thereto

INVENTOR(S): Morgan, Jr., A. Charles, Mill Creek, WA, United States
Wilbur, D. Scott, Edmonds, WA, United States
Pathare, Pradip M., Seattle, WA, United States

PATENT ASSIGNEE(S): The University of Washington, Seattle, WA, United States (U.S. corporation)
Receptagen Corporation, Edmonds, WA, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 6083926	20000704
APPLICATION INFO.:	US 1998-200422	19981123 (9)

RELATED APPLN. INFO.: Division of Ser. No. US 1995-545151, filed on 19 Oct 1995, now patented, Pat. No. US 5840712 which is a continuation-in-part of Ser. No. WO 1995-US4404, filed on 7 Apr 1995 which is a continuation-in-part of Ser. No. US 1995-406191, filed on 16 Mar 1995, now patented, Pat. No. US 5840880 which is a continuation-in-part of Ser. No. US 1995-406192, filed on 16 Mar 1995, now patented, Pat. No. US 5739287 And a continuation-in-part of Ser. No. US 1995-406194, filed on 16 Mar 1995, now patented, Pat. No. US 5869465 which is a continuation-in-part of Ser. No. US 1994-224831, filed on 8 Apr 1994, now abandoned

DOCUMENT TYPE: Utility

PRIMARY EXAMINER: Fonda, Kathleen K.

LEGAL REPRESENTATIVE: Seed Intellectual Property Law Group PLLC

NUMBER OF CLAIMS: 16

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 28 Drawing Figure(s); 18 Drawing Page(s)

LINE COUNT: 3274

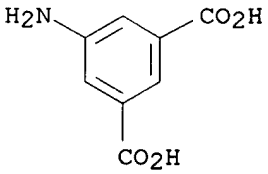
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Vitamin B.sub.12 receptor modulating agents capable of modulating cell surface receptors by affecting the cell surface receptor trafficking pathway are disclosed. The vitamin B.sub.12 receptor modulating agents are comprised of a covalently bound rerouting moiety and targeting moiety linked by a water-solublizing linker.

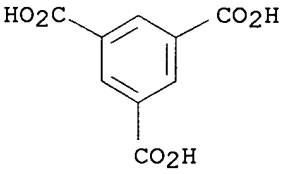
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d hitstr 2

L17 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2001 ACS
IT **99-31-0D**, 3,5-Dicarboxyaniline, conjugates with affinity ligand and effector agent and biomol. reactive moiety **554-95-0D**, 1,3,5-Tricarboxybenzene, conjugates with affinity ligand and effector agent and biomol. reactive moiety
RL: ARG (Analytical reagent use); BPR (Biological process); RCT (Reactant); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PROC (Process); USES (Uses)
(**trifunctional** reagent for conjugation to a biomol. for use in diagnosis and therapy)
RN 99-31-0 CAPLUS
CN 1,3-Benzenedicarboxylic acid, 5-amino- (9CI) (CA INDEX NAME)



RN 554-95-0 CAPLUS
CN 1,3,5-Benzenetricarboxylic acid (8CI, 9CI) (CA INDEX NAME)



=> d 3 ibib abs

L17 ANSWER 3 OF 7 USPATFULL

ACCESSION NUMBER:	2000:84267 USPATFULL
TITLE:	Water soluble vitamin B.sub.12 receptor modulating agents and methods related thereto
INVENTOR(S):	Morgan, Jr., A. Charles, Mill Creek, WA, United States Wilbur, D. Scott, Edmonds, WA, United States Pathare, Pradip M., Seattle, WA, United States
PATENT ASSIGNEE(S):	The University of Washington, Seattle, WA, United States (U.S. corporation) Receptagen Corporation, Edmonds, WA, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 6083926	20000704
APPLICATION INFO.:	US 1998-200422	19981123 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1995-545151, filed on 19 Oct 1995, now patented, Pat. No. US 5840712 which is a continuation-in-part of Ser. No. WO 1995-US4404, filed	

on 7 Apr 1995 which is a continuation-in-part of Ser. No. US 1995-406191, filed on 16 Mar 1995, now patented,

Pat. No. US 5840880 which is a continuation-in-part of Ser. No. US 1995-406192, filed on 16 Mar 1995, now patented, Pat. No. US 5739287 And a continuation-in-part of Ser. No. US 1995-406194, filed on 16 Mar 1995, now patented, Pat. No. US 5869465 which

is a continuation-in-part of Ser. No. US 1994-224831, filed on 8 Apr 1994, now abandoned

DOCUMENT TYPE: Utility
PRIMARY EXAMINER: Fonda, Kathleen K.
LEGAL REPRESENTATIVE: Seed Intellectual Property Law Group PLLC
NUMBER OF CLAIMS: 16
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 28 Drawing Figure(s); 18 Drawing Page(s)
LINE COUNT: 3274
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Vitamin B.sub.12 receptor modulating agents capable of modulating cell surface receptors by affecting the cell surface receptor trafficking pathway are disclosed. The vitamin B.sub.12 receptor modulating agents are comprised of a covalently bound rerouting moiety and targeting moiety linked by a water-solublizing linker.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 4 ibib abs

L17 ANSWER 4 OF 7 USPATFULL
ACCESSION NUMBER: 1999:19129 USPATFULL
TITLE: Methods of receptor modulation and uses therefor
INVENTOR(S): Morgan, Jr., A. Charles, Edmonds, WA, United States
Wilbur, D. Scott, Edmonds, WA, United States
PATENT ASSIGNEE(S): Receptagen Corporation, Edmonds, WA, United States (U.S. corporation)
University of Washington, Seattle, WA, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5869465	19990209
APPLICATION INFO.:	US 1995-406194	19950316 (8)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1994-224831, filed on 8 Apr 1994, now abandoned
DOCUMENT TYPE: Utility
PRIMARY EXAMINER: Tsang, Cecilia J.
ASSISTANT EXAMINER: Gupta, Anish
LEGAL REPRESENTATIVE: Christensen O'Connor Johnson & Kindness PLLC
NUMBER OF CLAIMS: 13
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 28 Drawing Figure(s); 18 Drawing Page(s)
LINE COUNT: 2882
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Receptor modulating agents capable of modulating cell surface receptors by affecting the cell surface receptor trafficking pathway are utilized for the treatment and diagnosis of a variety of disorders in warm-blooded animals, including neoplastic disorders. The receptor modulating agents are comprised of a covalently bound rerouting moiety and targeting moiety.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 5 ibib abs

L17 ANSWER 5 OF 7 USPATFULL
ACCESSION NUMBER: 1998:147590 USPATFULL
TITLE: Receptor modulating agents
INVENTOR(S): Morgan, Jr., A. Charles, Edmonds, WA, United States
Wilbur, D. Scott, Edmonds, WA, United States
PATENT ASSIGNEE(S): Receptagen Corporation, Edmonds, WA, United States (U.S. corporation)
University of Washington, Seattle, WA, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5840880	19981124
APPLICATION INFO.:	US 1995-406191	19950316 (8)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1994-224831, filed on 8 Apr 1994, now abandoned
DOCUMENT TYPE: Utility
PRIMARY EXAMINER: Robinson, Douglas
ASSISTANT EXAMINER: Gupta, Anish
LEGAL REPRESENTATIVE: Christensen O'Connor Johnson & Kindness PLLC
NUMBER OF CLAIMS: 13
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 26 Drawing Figure(s); 20 Drawing Page(s)
LINE COUNT: 2940
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Receptor modulating agents capable of modulating cell surface receptors by affecting the cell surface receptor trafficking pathway. The receptor
modulating agents are comprised of a covalently bound rerouting moiety and targeting moiety.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 6 ibib abs

L17 ANSWER 6 OF 7 USPATFULL
ACCESSION NUMBER: 1998:147427 USPATFULL
TITLE: Water soluble vitamin B.sub.12 receptor modulating agents and methods related thereto
INVENTOR(S): Morgan, Jr., A. Charles, Mill Creek, WA, United States
Wilbur, D. Scott, Edmonds, WA, United States
Pathare, Pradip M., Seattle, WA, United States
PATENT ASSIGNEE(S): Receptagen Corporation, Edmonds, WA, United States (U.S. corporation)
University of WA, Edmonds, WA, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5840712	19981124
APPLICATION INFO.:	US 1995-545151	19951019 (8)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1995-406191, filed on 16 Mar 1995 Ser. No. Ser. No. US 1995-406192, filed on 16 Mar 1995, now patented, Pat. No. US 5739287 And Ser. No. US 1995-406194, filed on 16 Mar 1995 , each Ser. No. US which is a continuation-in-part of Ser. No.
US 1994-224831, filed on 8 Apr 1994, now abandoned
DOCUMENT TYPE: Utility

PRIMARY EXAMINER: Hutzell, Paula K.
ASSISTANT EXAMINER: Bakalyar, Heather A.
LEGAL REPRESENTATIVE: Christensen O'Connor Johnson & Kindness PLLC
NUMBER OF CLAIMS: 10
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 28 Drawing Figure(s); 18 Drawing Page(s)
LINE COUNT: 3615
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Vitamin B.sub.12 receptor modulating agents capable of modulating cell surface receptors by affecting the cell surface receptor trafficking pathway are disclosed. The vitamin B.sub.12 receptor modulating agents are comprised of a covalently bound rerouting moiety and targeting moiety linked by a water-solublizing linker.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 7 ibib abs

L17 ANSWER 7 OF 7 USPATFULL
ACCESSION NUMBER: 1998:39675 USPATFULL
TITLE: Biotinylated cobalamins
INVENTOR(S): Wilbur, D. Scott, Edmonds, WA, United States
Pathare, Pradip M., Seattle, WA, United States
Morgan, Jr., A. Charles, Camino Island, WA, United States
PATENT ASSIGNEE(S): University of Washington, Seattle, WA, United States (U.S. corporation)
Receptagen Corp., Edmonds, WA, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5739287	19980414
APPLICATION INFO.:	US 1995-406192	19950316 (8)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1994-224831, filed on 8 Apr 1994, now abandoned
DOCUMENT TYPE: Utility
PRIMARY EXAMINER: Russel, Jeffrey E.
LEGAL REPRESENTATIVE: Christensen O'Connor Johnson & Kindness PLLC
NUMBER OF CLAIMS: 5
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 28 Drawing Figure(s); 18 Drawing Page(s)
LINE COUNT: 3099
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A biotinylated cobalamin, formed from a vitamin B.sub.12 molecule coupled to a **biotin** molecule, is disclosed. In a preferred embodiment, the vitamin B.sub.12 molecule is cyanocobalamin. The **biotin** molecule can also be coupled to a rerouting moiety, optionally through a **biotin** binding protein such as avidin or streptavidin. The biotinylated cobalamin binds to a cell surface receptor, is invaginated, and once internalized affects the receptor trafficking pathway.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 14:08:39 ON 08 JUN 2001)

FILE 'REGISTRY' ENTERED AT 14:09:06 ON 08 JUN 2001
L1 SCREEN 2076

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L2              STRUCTURE UPLOADED
L3              QUE L2 AND L1
L4              SCREEN 2076
L5              STRUCTURE UPLOADED
L6              QUE L5 AND L4
L7           31 S L3
L8          706 S L3 FULL
L9            2 S L6
L10          74 S L6 FULL

     FILE 'CAPLUS, USPATFULL, BIOSIS, EMBASE' ENTERED AT 14:11:22 ON 08 JUN
     2001
L11        1987 S L8 OR L10
L12       18514 S TRIFUNCTIONAL OR TRIFUNCTION OR TRI-FUNCTIONAL OR
TRI-FUNCTIO
L13          42 S L11 AND L12
L14          42 DUP REM L13 (0 DUPLICATES REMOVED)
L15       60015 S BIOTIN OR NORBIOTIN OR HOMOBIOTIN OR OXYBIOTIN OR
IMINOBIOTIN
L16       52731 S RADIONUCLIDE
L17           7 S (L14) AND (L15 OR L16)

=> l14 not l17

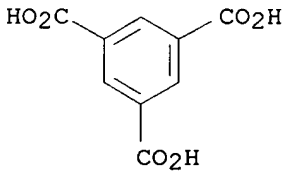
L14 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s l14 not l17

L18         35 L14 NOT L17

=> d hitstr


L18  ANSWER 1 OF 35  CAPLUS  COPYRIGHT 2001 ACS
IT   554-95-0, Trimesic acid
     RL: DEV (Device component use); PEP (Physical, engineering or chemical
     process); PROC (Process); USES (Uses)
        (contg., electron beam-curable polyurethanes; magnetic recording
medium
        with super thin film coating type magnetic layer adaptable to a
        magnetic resistance head)
RN   554-95-0  CAPLUS
CN   1,3,5-Benzenetricarboxylic acid (8CI, 9CI)  (CA INDEX NAME)
```




```
=> d abs ibib


L18  ANSWER 1 OF 35  CAPLUS  COPYRIGHT 2001 ACS
AB   A magnetic recording medium for use in reprodn. with an MR head, which
     comprises: a nonmagnetic substrate; a nonmagnetic layer including a
binder
```

resin having dispersed therein a nonmagnetic powder on the nonmagnetic substrate; and a magnetic layer on the nonmagnetic layer, in which the magnetic layer is obtained by applying a magnetic coating material on the applied, dried and cured nonmagnetic layer, the magnetic layer includes a metal magnetic powder with a mean major axis length of from 0.03-0.08 .mu.m, and a satn. magnetization .sigma.s of from 100-130 Am2/kg, and the center line mean roughness Ra of the magnetic layer surface is 5 nm or less.

ACCESSION NUMBER: 2001:338183 CAPLUS
DOCUMENT NUMBER: 134:335622
TITLE: Magnetic recording medium with super thin film coating type magnetic layer adaptable to a magnetic resistance head
INVENTOR(S): Sasaki, Hideki
PATENT ASSIGNEE(S): Tdk Corporation, Japan
SOURCE: Eur. Pat. Appl., 19 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1098299	A1	20010509	EP 2000-309628	20001101

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

PRIORITY APPLN. INFO.: JP 1999-311733 A 19991102
REFERENCE COUNT: 5
REFERENCE(S):
(1) Fuji Photo Film Co Ltd; EP 0717396 A 1996 CAPLUS
(2) Fuji Photo Film Co Ltd; EP 0732688 A 1996 CAPLUS
(3) Fuji Photo Film Co Ltd; EP 0817176 A 1998 CAPLUS
(4) Fuji Photo Film Co Ltd; EP 0945857 A 1999 CAPLUS
(5) Inaba, H; US 5922454 A 1999 CAPLUS

=> d 2 abs ibib

L18 ANSWER 2 OF 35 CAPLUS COPYRIGHT 2001 ACS
AB To allow modular syntheses of oligosaccharide mimetics, the potentially **trifunctional** glycoside was synthesized and used as a scaffold for the successive attachment of further monosaccharide derivs. to lead to the di-, tri-, and tetrasaccharide mimetics. This synthetic strategy can also be used to prep. oligovalent neoglycoconjugates, which contains nine mannosyl units. The applied concept implies numerous options for the synthesis of a wide array of structural variations, bio-labeling, or solid-phase synthesis as well as combinatorial approaches.

ACCESSION NUMBER: 2001:213410 CAPLUS
DOCUMENT NUMBER: 134:340638
TITLE: A Modular Approach for the Synthesis of Oligosaccharide Mimetics
AUTHOR(S): Patel, Anupama; Lindhorst, Thisbe K.
CORPORATE SOURCE: Institute of Organic Chemistry, Christiana Albertina University Kiel, Kiel, D-24111, Germany
SOURCE: J. Org. Chem. (2001), 66(8), 2674-2680
CODEN: JOCEAH; ISSN: 0022-3263
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 42

REFERENCE(S): (1) Aoi, K; Macromolecules 1995, V28, P5391 CAPLUS
(2) Ashton, P; J Org Chem 1998, V63, P3429 CAPLUS
(3) Carpino, L; J Am Chem Soc 1993, V115, P4397 CAPLUS
(4) Chernyak, A; Carbohydr Res 1992, V223, P303 CAPLUS
(5) Crout, D; Curr Opin Chem Biol 1998, V2, P98 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 3 abs ibib

L18 ANSWER 3 OF 35 CAPLUS COPYRIGHT 2001 ACS
AB The self-diffusion rates of **trifunctional** poly(ether amide) dendrons and dendrimers were measured by pulsed field-gradient NMR and the hydrodynamic radii calcd. (for generations 0-3) from the Stokes-Einstein equation. The relationship between hydrodynamic radius and mol. wt. gave a scaling exponent of 1.73 for the dendrons and exponents close to the Euclidean dimension of 3 for the dendrimers. The scaling exponent derived from a random-flight isotropic branching model for these dendrimers agreed well with the exponents detd. from diffusion measurements.
ACCESSION NUMBER: 2001:44887 CAPLUS
DOCUMENT NUMBER: 134:266789
TITLE: Effect of branching on the scaling behavior of poly(ether amide) dendrons and dendrimers
AUTHOR(S): Wong, Shan; Appelhans, Dietmar; Voit, Brigitte; Scheler, Ulrich
CORPORATE SOURCE: Institut fuer Polymerforschung Dresden e.V., Dresden, D-01069, Germany
SOURCE: Macromolecules (2001), 34(4), 678-680
CODEN: MAMOBX; ISSN: 0024-9297
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 24
REFERENCE(S): (1) Appelhans, D; Macromolecules 2000, V33, P9494 CAPLUS
(2) Bosman, A; Chem Rev 1999, V99, P1665 CAPLUS
(3) Burchard, W; Adv Polym Sci 1999, V143, P113 CAPLUS
(7) Ihre, H; J Am Chem Soc 1996, V118, P6388 CAPLUS
(9) Kurata, M; J Chem Phys 1964, V41, P2934 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 4 abs ibib

L18 ANSWER 4 OF 35 CAPLUS COPYRIGHT 2001 ACS
AB The authors report the prepn. and crystal structures of two phases contg. the hexagonal (6,3) network of the graphene sheet derived by **tridentate** coordination of 1,3,5-benzenetricarboxylate (btc) to octahedral NiII centers, giving solvated [Ni3(btc)2(py)9(H2O)3] and [Ni3(btc)2(py)6(BuOH)6]. When the solvent used is 2-methyl-1-butanol, water directs the coordination about NiII and ABCA'B'C' stacking of layers was obtained. The use of 1-butanol as solvent gives a different hydrogen-bonding arrangement around NiII and produces AAA stacking of the layers. The authors have previously demonstrated that the use of other alcs. such as methanol, ethanol, 1,2-ethanediol, and 1,2-propanediol gives

3-dimensional architectures. A change in the hydrogen bonding around the metal center leads to 2-dimensional structures which house substantial solvent-filled microcavities. The comparatively weak interactions between layers, and the relative importance of framework-solvent interactions, facilitates slippage of the hexagonal sheets and interconversion between stacking type with guest exchange. (c) 2000 Academic Press.

ACCESSION NUMBER: 2000:458167 CAPLUS
DOCUMENT NUMBER: 133:159275
TITLE: Hydrogen bond-directed hexagonal frameworks based on coordinated 1,3,5-benzenetricarboxylate
AUTHOR(S): Kepert, C. J.; Prior, T. J.; Rosseinsky, M. J.
CORPORATE SOURCE: Inorganic Chemistry Laboratory, Department of Chemistry, University of Oxford, Oxford, OX1 3QR, UK
SOURCE: J. Solid State Chem. (2000), 152(1), 261-270
CODEN: JSSCBI; ISSN: 0022-4596
PUBLISHER: Academic Press
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 17
REFERENCE(S):
(1) Abrahams, B; Angew Chem, Int Ed 1999, V38, P1475 CAPLUS
(2) Batten, S; Angew Chem, Int Ed 1998, V37, P1461 CAPLUS
(3) Choi, H; J Am Chem Soc 1998, V120, P10622 CAPLUS
(4) Chui, S; Science 1999, V283, P1148 CAPLUS
(5) Deacon, G; Coord Chem Rev 1980, V33, P227 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 5 abs ibib

L18 ANSWER 5 OF 35 CAPLUS COPYRIGHT 2001 ACS

AB A new pincer-type SCS ligand contg. Pd(II) is a simple, robust catalyst for Heck chem. using a variety of alkene acceptors and aryl iodides. It is less active with aryl bromides. While certain palladium(II) species insert slowly into the aryl C-H bond of an unsubstituted version of this ligand, the introduction of activating groups into the 5 position of the arom. ring readily allows quant. metal insertion. These ligands were synthesized and attached to sol. polymers by simple modification of inexpensive starting materials. For example, both 5-oxy and 5-amido SCS ligands were successfully appended to 5000 Mn poly(ethylene glycol) via ether or amide linkages, resp. Both the 5-oxo and 5-amido complexes are active as Heck catalysts in DMF soln. in air. The PEG-bound 5-amido-SCS-Pd complex was recycled via solvent pptn. three times with no obsd. catalyst deactivation. While the 5-amido-SCS-Pd complexes are very robust, their 5-oxo counterparts decomp. slowly under certain conditions. These SCS catalysts are analogous to PCP-type catalysts previously reported in the literature but avoid the requirement of an air-sensitive phosphine synthesis.

ACCESSION NUMBER: 1999:628899 CAPLUS
DOCUMENT NUMBER: 132:23054
TITLE: **Tridentate** SCS Palladium(II) Complexes: New, Highly Stable, Recyclable Catalysts for the Heck Reaction
AUTHOR(S): Bergbreiter, David E.; Osburn, Philip L.; Liu, Yun-Shan
CORPORATE SOURCE: Department of Chemistry, Texas A&M University, College Station, TX, 77842-3012, USA
SOURCE: J. Am. Chem. Soc. (1999), 121(41), 9531-9538
CODEN: JACSAT; ISSN: 0002-7863
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal

LANGUAGE: English
OTHER SOURCE(S): CASREACT 132:23054
REFERENCE COUNT: 39
REFERENCE(S): (1) Angelino, M; Macromolecules 1998, V31, P7581 CAPLUS
(3) Beller, M; Angew Chem Int Ed Engl 1995, V34, P1848 CAPLUS
(4) Bergbreiter, D; ACS Symp Ser 1986, V308, P17 CAPLUS
(6) Bergbreiter, D; J Am Chem Soc 1987, V109, P174 CAPLUS
(8) Bergbreiter, D; J Mol Catal 1992, V74, P409 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 6 abs ibib

L18 ANSWER 6 OF 35 CAPLUS COPYRIGHT 2001 ACS
AB Two Group 1 complexes of mellitic acid, K6[C6(COO)6].cntdot.8H2O (1) and Cs5[C6(COO)6H].cntdot.7H2O (2), were synthesized and characterized by x-ray crystallog. K mellitate (1) crystallizes in the orthorhombic space group Pbca, with a 18.091(4), b 12.634(3), c 22.151(4) A, .beta. 90..degree., V = 5062.9(19) A3 and Z = 8. In contrast, Cs mellitate (2) crystallizes in the monoclinic space group P21/c, with a 13.836(3), b 20.818(4), c 9.539(2) A, .beta. 103.52(3).degree., V = 2671.5(10) A3 and Z = 4. Both structures are comprised of a 3-dimensional network of mellitate ion stacks, metal ions and H2O mols. which are linked by H bonds. In the case of 1, two K+ ions (K(1) and K(4)) are located between the mellitate ions in the stacks. The remaining K+ ions occupy positions between the mellitate stacks. In 2, the Cs+ ions are all located between the mellitate stacks. Two new coordination modes of the carboxylate groups are reported. 1 Exhibits a **tridentate** binding mode in which two K ions are coordinated to three carboxylates on one mellitate ion. Cs mellitate displays a similar mode but with an addnl. Cs ion coordinated to two of the three carboxylate groups. These new modes are attributed to the larger no. of cations in these compds. as compared with mellitate compds. contg. 2+ and 3+ cations.
ACCESSION NUMBER: 1999:196601 CAPLUS
DOCUMENT NUMBER: 130:305462
TITLE: Syntheses and structures of Group 1 mellitate compounds, K6[C6(COO)6] .cntdot. 8H2O and Cs5[C6(COO)6H] .cntdot. 7H2O
AUTHOR(S): Harnisch, Jennifer A.; Thomas, Leonard M.; Guzei, Ilia A.; Angelici, Robert J.
CORPORATE SOURCE: Ames Laboratory and Department of Chemistry, Iowa State University, Ames, IA, 50011, USA
SOURCE: Inorg. Chim. Acta (1999), 286(2), 207-214
CODEN: ICHAA3; ISSN: 0020-1693
PUBLISHER: Elsevier Science S.A.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 15
REFERENCE(S): (1) Dickens, B; Acta Crystallogr, Sect B 1972, V28, P3056 CAPLUS
(3) Giacovazzo, C; Acta Crystallogr, Sect B 1973, V29, P26 CAPLUS
(5) Robl, C; J Solid State Chem 1991, V92, P101 CAPLUS
(6) Robl, C; Z Naturforsch, Teil B 1991, V46, P1188

CAPLUS
(7) Robl, C; Z Naturforsch, Teil B 1992, V47, P1561
CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 7 abs ibib

L18 ANSWER 7 OF 35 CAPLUS COPYRIGHT 2001 ACS
AB Some hyperbranched arom. polyamides were synthesized by direct polycondensation using the modified Higashi's method. Structures of the above polymers were realized taking in proper account the analogies with amide group sequences of poly(p-phenyleneterephthalamide) (PPDT) and poly(p-benzamide) (PBA). Therefore, AB2-type monomers as well as suitable combinations of different bi- and **trifunctional** reactants (AA + B3) (e.g., p-phenylenediamine + trimesic acid or other **trifunctional** acids) were considered. For the latter systems, network formation was minimized. Addnl., the authors' results on their direct polyamidation together with some preliminary characterization data on the resultant hyperbranched aramids are given.

ACCESSION NUMBER: 1998:221287 CAPLUS
DOCUMENT NUMBER: 128:270949
TITLE: Synthesis of hyperbranched aromatic polyamides by direct polycondensation
AUTHOR(S): Russo, Saverio; Boulares, Alya; Mariani, Alberto
CORPORATE SOURCE: Dipartimento Chimica Chimica Industriale, Universita Genova, Genoa, I-16146, Italy
SOURCE: Macromol. Symp. (1998), 128(International Symposium on New Approaches in Polymer Synthesis and Macromolecular Formation, 1997), 13-20
CODEN: MSYMEC; ISSN: 1022-1360
PUBLISHER: Huethig & Wepf Verlag
DOCUMENT TYPE: Journal
LANGUAGE: English

=> d 8 abs ibib

L18 ANSWER 8 OF 35 CAPLUS COPYRIGHT 2001 ACS
AB Title aliph. polyesters with no.-av. mol. wt. 10,000-300,000 are manufd. by treating (A) aliph. diols, (B) aliph. dicarboxylic acids or their derivs., and (C) **trifunctional** carboxylic acids or their derivs. in the presence of (D) bifunctional aliph. oxycarboxylic acids using Ge compd. catalysts. Thus, succinic acid, 1,4-butanediol, and trimellitic anhydride were treated in the presence of lactic acid using a Ge oxide catalyst to give a polyester with melt viscosity 12,000 P and good biodegradable property.

ACCESSION NUMBER: 1997:374398 CAPLUS
DOCUMENT NUMBER: 127:34693
TITLE: Manufacture of biodegradable high-molecular-weight aliphatic polyesters with good moldability
INVENTOR(S): Miyazaki, Keiko; Yamaoka, Hiroaki; Kasai, Atsushi
PATENT ASSIGNEE(S): Mitsubishi Chemical Industries Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09110972	A2	19970428	JP 1995-275398	19951024

=> d 9 abs ibib

L18 ANSWER 9 OF 35 CAPLUS COPYRIGHT 2001 ACS
AB To the melt of polymers having a hetero atom in the chain, is added 0.05-5% of a compd. having .gtoreq.3 functional groups to lower the melt viscosity without affecting the mech. properties. The invention is particularly effective for high-mol. and/or highly filled compns. Akulon K 136 nylon 6 was blended with 0, 0.25, 0.5, and 1 phr 2,4,6-triaminocaproic acid-1,3,5-triazine showing melt viscosity 3000, 2300, 950, and 450 Pa-s, resp.

ACCESSION NUMBER: 1995:997787 CAPLUS
DOCUMENT NUMBER: 124:89036
TITLE: Lowering of melt viscosity of a polymer composition
INVENTOR(S): Borggreve, Reinoldus J. M.; Beusen, Guido P. C.; Sham, Chi Keung; Nijenhuis, Atze Jan; Serne, Martien
PATENT ASSIGNEE(S): DSM N.V., Neth.
SOURCE: Eur. Pat. Appl., 10 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 682057	A1	19951115	EP 1995-201141	19950503
R: DE, FR, GB, IT, NL				
JP 07304970	A2	19951121	JP 1995-134669	19950509
BE 1009554	A3	19970506	BE 1995-757	19950918
WO 9635739	A1	19961114	WO 1996-NL188	19960502
W: AL, AU, BB, BG, BR, CA, CN, CZ, EE, GE, HU, IS, JP, KP, KR, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9656601	A1	19961129	AU 1996-56601	19960502
EP 832149	A1	19980401	EP 1996-913746	19960502
EP 832149	B1	20000719		
R: CH, DE, FR, GB, IT, LI, NL				
CN 1189174	A	19980729	CN 1996-195002	19960502
JP 11511771	T2	19991012	JP 1996-533587	19960502
US 6060580	A	20000509	US 1997-962675	19971103

PRIORITY APPLN. INFO.:			
BE 1994-476	A	19940509	
EP 1995-201141	A	19950503	
BE 1995-757	A	19950918	
WO 1996-NL188	W	19960502	

=> d 10 abs ibib

L18 ANSWER 10 OF 35 CAPLUS COPYRIGHT 2001 ACS
AB The prepn. of rigid arom., highly branched polyamides is described. Owing to the method of prepn. and the chosen ratio of difunctional to **trifunctional** monomers, these entities are highly porous and not dendrimeric in nature. They better conform with the fractal model and are

therefore called fractal polyamides. The effects of variations in the polymn. procedure, in total monomer concn., in the ratio of amine to carboxyl groups and in the duration of the polycondensation reaction are investigated. Some characterization was performed and the results are presented and briefly discussed.

ACCESSION NUMBER: 1995:665584 CAPLUS
DOCUMENT NUMBER: 123:56745
TITLE: Rigid aromatic fractal polyamides
AUTHOR(S): Aharoni, Shaul M.
CORPORATE SOURCE: AlliedSigna Inc., Research & Technology, Morristown, NJ, 07962, USA
SOURCE: Polym. Adv. Technol. (1995), 6(6), 373-82
CODEN: PADTE5; ISSN: 1042-7147
DOCUMENT TYPE: Journal
LANGUAGE: English

=> d 11 abs ibib

L18 ANSWER 11 OF 35 CAPLUS COPYRIGHT 2001 ACS
AB The title polymers comprise rigid arom. repeating units and electrophilic or nucleophilic reactive groups on its exterior. The polymers are useful in prepn. of star-branched polymers and in polymer composites and networks. A typical polymer was prepd. by addn. of 4-aminobenzoic acid and 3,5-diaminobenzoic acid to 3,3'-diaminobenzidine initiator to give a polymer with 64 reactive amine groups/mol.

ACCESSION NUMBER: 1994:218881 CAPLUS
DOCUMENT NUMBER: 120:218881
TITLE: Fractal polymers and graft copolymers formed from same
INVENTOR(S): Aharoni, Shaul M.
PATENT ASSIGNEE(S): Allied-Signal Inc., USA
SOURCE: PCT Int. Appl., 53 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9317062	A1	19930902	WO 1993-US1127	19930209

W: JP
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

PRIORITY APPLN. INFO.: US 1992-840725 19920221

=> d 12 abs ibib

L18 ANSWER 12 OF 35 CAPLUS COPYRIGHT 2001 ACS
AB The polyamides, useful, e.g., as liq. crystals, consist of 10-100 mol% of .gtoreq.1 arom. aminodicarboxylic acid units (or .gtoreq.1 arom. diaminocarboxylic acid units) and 0-90 mol% of .gtoreq.1 arom. aminocarboxylic acid units; the 2 amino or 2 carboxyl groups are not ortho to one another in the resp. compds. and in a biphenyl ring system carboxyl and/or amino groups are not in both a 2 and 2' position. Thus, 5-aminoisophthaloyl chloride hydrogen chloride was stirred in N-methyl-2-pyrrolidone at room temp. and poured in H2O in a blender to give a white ppt. of polymer with no.-av. mol. wt. 30,600.

ACCESSION NUMBER: 1994:108077 CAPLUS
DOCUMENT NUMBER: 120:108077

TITLE: Dendritic aromatic polyamides
INVENTOR(S): Kim, Young Hwan
PATENT ASSIGNEE(S): du Pont de Nemours, E. I., and Co., USA
SOURCE: PCT Int. Appl., 20 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9309162	A1	19930513	WO 1992-US9212	19921029
W: CA, JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, SE				
US 5264543	A	19931123	US 1991-785381	19911030
EP 610400	A1	19940817	EP 1992-923474	19921029
R: DE, FR, GB, IT, NL				
US 5321162	A	19940614	US 1993-91632	19930721
PRIORITY APPLN. INFO.:			US 1991-785381	19911030
			WO 1992-US9212	19921029

=> d 13 abs ibib

L18 ANSWER 13 OF 35 CAPLUS COPYRIGHT 2001 ACS
AB The title polyamides, which can be reproducibly manufd. on a batch basis and which have good quality and high yield strength, are prepd. by the melt-polymn. of aminoacids or lactams with (A) 5-150 .mu.mol/g polymer (based on polyamide product) of a **trifunctional** amine or carboxylic acid, (B) 2-100 .mu.mol/g polymer of bifunctional amines or carboxylic acids, and, optionally, (c) 5-450 .mu.mol/g polymer of a monofunction condensable monomer. If A is an amine, then B must be a carboxylic acid, and vice versa. Thus, 80 g of polymer was prepd. from aminoundecanoic acid and azelaic acid 20,
3-amino-1-cyclohexylaminopropane
20, and nitrilotriethaneamine 60 .mu.mole/g polymer. The polyamide product had relative viscosity (0.5% m-cresol) 1.831, melt viscosity 105 Pa-A, CO2H end groups 8 m equiv/g, and NH2 end groups 224 mequiv/g.
ACCESSION NUMBER: 1990:199376 CAPLUS
DOCUMENT NUMBER: 112:199376
TITLE: Thermoplastically processable highly branched polyamides
INVENTOR(S): Schmid, Eduard; Decurtins, Silvio
PATENT ASSIGNEE(S): Ems-Inventa A.-G., Switz.
SOURCE: Eur. Pat. Appl., 24 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 345648	A2	19891213	EP 1989-109958	19890601
EP 345648	A3	19900905		
EP 345648	B1	19950906		
EP 345648	B2	20000405		
R: CH, DE, ES, FR, GB, IT, LI				
DE 3917927	A1	19891214	DE 1989-3917927	19890601
DE 3917927	C2	19971218		
ES 2076172	T3	19951101	ES 1989-109958	19890601
JP 02064128	A2	19900305	JP 1989-143213	19890607
JP 3084284	B2	20000904		

PRIORITY APPLN. INFO.: DE 1988-3819427 A 19880607

=> d 14 abs ibib

L18 ANSWER 14 OF 35 CAPLUS COPYRIGHT 2001 ACS

AB Polyamides contg. stiff **trifunctional** branchpoints connected by rigid rodlike segments were prepd. and studied to det. the fractal nature of the polymers in the pre-gel and post-gel stages. The polymers in the pre-gel and post-gel stages were highly branched. SEM of dried pre-gel material showed typical fractal morphol. The addn. of macromol. fillers to the pre-gel polymers decreased the modulus.

ACCESSION NUMBER: 1990:180331 CAPLUS
DOCUMENT NUMBER: 112:180331
TITLE: The fractal nature of 1-step highly-branched rigid rodlike macromolecules and their gelled-network progenies
AUTHOR(S): Aharoni, S. M.; Murthy, N. S.; Zero, K.; Edwards, S. F.
CORPORATE SOURCE: Polym. Sci. Lab., Allied-Signal Inc., Morristown, NJ, 07962, USA
SOURCE: Macromolecules (1990), 23(9), 2533-49
CODEN: MAMOBX; ISSN: 0024-9297
DOCUMENT TYPE: Journal
LANGUAGE: English

=> d 14 ibib

L18 ANSWER 14 OF 35 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1990:180331 CAPLUS
DOCUMENT NUMBER: 112:180331
TITLE: The fractal nature of 1-step highly-branched rigid rodlike macromolecules and their gelled-network progenies
AUTHOR(S): Aharoni, S. M.; Murthy, N. S.; Zero, K.; Edwards, S. F.
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SOURCE: Macromolecules (1990), 23(9), 2533-49
CODEN: MAMOBX; ISSN: 0024-9297
DOCUMENT TYPE: Journal
LANGUAGE: English

=> d 15 ibib

L18 ANSWER 15 OF 35 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1985:7290 CAPLUS
DOCUMENT NUMBER: 102:7290
TITLE: Manufacture of polyester
PATENT ASSIGNEE(S): Teijin Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 59113026	A2	19840629	JP 1982-221998	19821220

=> d 16 ibib

L18 ANSWER 16 OF 35 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1979:558139 CAPLUS
DOCUMENT NUMBER: 91:158139
TITLE: Preparation of polyamides via the phosphorylation reaction. II. Modification of wholly aromatic polyamides with **trifunctional** monomers
AUTHOR(S): Preston, J.; Hofferbert, W. L., Jr.
CORPORATE SOURCE: Monsanto Triangle Park Dev. Cent., Inc., Research Triangle Park, NC, 27709, USA
SOURCE: J. Appl. Polym. Sci. (1979), 24(4), 1109-13
CODEN: JAPNAB; ISSN: 0021-8995
DOCUMENT TYPE: Journal
LANGUAGE: English

=> d 17 ibib

L18 ANSWER 17 OF 35 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1979:205694 CAPLUS
DOCUMENT NUMBER: 90:205694
TITLE: Modified polyester fibers
PATENT ASSIGNEE(S): Montedison S.p.A., Italy
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 54022493	A2	19790220	JP 1978-89281	19780721
FR 2400530	A1	19790316	FR 1978-21725	19780721
FR 2400530	B1	19810130		

PRIORITY APPLN. INFO.: IT 1977-26024 19770722

=> d 178 ibib

35 ANSWERS ARE AVAILABLE. SPECIFIED ANSWER NUMBER EXCEEDS ANSWER SET SIZE
The answer numbers requested are not in the answer set.
ENTER ANSWER NUMBER OR RANGE (1):end

=> d 18 ibib

L18 ANSWER 18 OF 35 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1970:13367 CAPLUS
DOCUMENT NUMBER: 72:13367
TITLE: Thermoplastic molding composition
INVENTOR(S): Pich, Rene; Vaginay, Yves
PATENT ASSIGNEE(S): Societe Rhodiaceta
SOURCE: Ger., Offen., 19 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 1900270	B2	19770414	DE 1969-1900270	19690103
FR 1580834	A	19690912	FR 1968-134897	19680104
CH 489560	A	19700430	CH 1968-489560	19681230
DK 130998	B	19750512	DK 1968-6425	19681230
GB 1228966	A	19710421	GB 1969-1228966	19690101
BE 726479	A	19690703	BE 1969-726479	19690103
NL 6900100	A	19690708	NL 1969-100	19690103
NL 162673	B	19800115		
AT 295859	B	19720125	AT 1969-42	19690103
SE 365231	B	19740318	SE 1969-82	19690103
NO 130359	B	19740819	NO 1969-17	19690103
ES 362120	A1	19701101	ES 1969-362120	19690104
US 3692744	A	19720919	US 1970-71330	19700911
PRIORITY APPLN. INFO.:			FR 1968-134897	19680104

=> d 19 ibib

L18 ANSWER 19 OF 35 USPATFULL
ACCESSION NUMBER: 97:104577 USPATFULL
TITLE: Copolyesters and molded articles comprising the same
INVENTOR(S): Tai, Shinji, Kurashiki, Japan
Hara, Tetsuya, Kurashiki, Japan
Kashimura, Tsugunori, Kurashiki, Japan
PATENT ASSIGNEE(S): Kuraray Co., Ltd., Kurashiki, Japan (non-U.S. corporation)

	NUMBER	DATE	
PATENT INFORMATION:	US 5686553	19971111	
APPLICATION INFO.:	US 1996-746941	19961118	(8)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1995-321309	19951116
	JP 1995-314564	19951201
	JP 1995-340541	19951227

DOCUMENT TYPE: Utility
PRIMARY EXAMINER: Acquah, Samuel A.
LEGAL REPRESENTATIVE: Oblon, Spivak, McClelland, Maier & Neustadt, P.C.
NUMBER OF CLAIMS: 21
EXEMPLARY CLAIM: 1
LINE COUNT: 6028
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 20 ibib

L18 ANSWER 20 OF 35 USPATFULL
ACCESSION NUMBER: 97:61835 USPATFULL
TITLE: Crystalline metal-organic microporous materials
INVENTOR(S): Yaghi, Omar M., Phoenix, AZ, United States
PATENT ASSIGNEE(S): Nalco Chemical Company, Naperville, IL, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5648508	19970715

APPLICATION INFO.: US 1995-560224 19951122 (8)
DOCUMENT TYPE: Utility
PRIMARY EXAMINER: Nazario-Gonzalez, Porfirio
LEGAL REPRESENTATIVE: Miller, Robert A.; Drake, James J.
NUMBER OF CLAIMS: 61
EXEMPLARY CLAIM: 1,12,23
NUMBER OF DRAWINGS: 4 Drawing Figure(s); 4 Drawing Page(s)
LINE COUNT: 1611
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 21 ibib

L18 ANSWER 21 OF 35 USPATFULL
ACCESSION NUMBER: 96:14899 USPATFULL
TITLE: Fractal polymers and graft copolymers formed from same
INVENTOR(S): Aharoni, Shaul M., Morris Plains, NJ, United States
PATENT ASSIGNEE(S): AlliedSignal Inc., Morris Township, Morris County, NJ, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5493000	19960220
APPLICATION INFO.:	US 1993-109954	19930823 (8)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1992-840725, filed on 21 Feb 1992, now abandoned
DOCUMENT TYPE: Utility
PRIMARY EXAMINER: Hampton-Hightower, P.
LEGAL REPRESENTATIVE: Mangini, Michele G.
NUMBER OF CLAIMS: 27
EXEMPLARY CLAIM: 1
LINE COUNT: 1835
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 14:08:39 ON 08 JUN 2001)

FILE 'REGISTRY' ENTERED AT 14:09:06 ON 08 JUN 2001
L1 SCREEN 2076
L2 STRUCTURE UPLOADED
L3 QUE L2 AND L1
L4 SCREEN 2076
L5 STRUCTURE UPLOADED
L6 QUE L5 AND L4
L7 31 S L3
L8 706 S L3 FULL
L9 2 S L6
L10 74 S L6 FULL

FILE 'CAPLUS, USPATFULL, BIOSIS, EMBASE' ENTERED AT 14:11:22 ON 08 JUN 2001
L11 1987 S L8 OR L10
L12 18514 S TRIFUNCTIONAL OR TRIFUNCTION OR TRI-FUNCTIONAL OR TRI-FUNCTIO
L13 42 S L11 AND L12
L14 42 DUP REM L13 (0 DUPLICATES REMOVED)
L15 60015 S BIOTIN OR NORBIOTIN OR HOMOBIOTIN OR OXYBIOTIN OR IMINOBIOTIN
L16 52731 S RADIONUCLIDE
L17 7 S (L14) AND (L15 OR L16)
L18 35 S L14 NOT L17

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=> s (l14) and (pharmaceutical or diagnositic or diagnosis)
L19             7 (L14) AND (PHARMACEUTICAL OR DIAGNOSITIC OR DIAGNOSIS)

=> s l19 not l17]
L20             7 L19 NOT L17]

=> s l19 not l17
L21             0 L19 NOT L17

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COST IN U.S. DOLLARS                        SINCE FILE ENTRY    TOTAL SESSION
FULL ESTIMATED COST                                158.58           426.47

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  SINCE FILE ENTRY    TOTAL SESSION
CA SUBSCRIBER PRICE                                 -9.41            -9.41

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